											Sheet	_2of	_7	_
Form PTO-14	449 L	J.S. C	Depar	tmer	nt of	Com	merc		Atty. Docket No. Serial No. 10/764,38				9	
(REV. 8-83)	Pate	nt an	d Tra	adem	ark ()ffice		ENZ-61	(D8)				•	
(1127.000)	. 0.0			100111	uik t	,,,,,,	•		. •					
INFOR														
(u	se sev	/eral	sheet	ts if r	neces	sary)	· · ·						
		•						Applicar	nts: llan, et al					
•											· · ·			
										anuary 23, 20	04 Gro	ıp: Not y	et knov	۸n
							U.S.	PAT	ENT DOCUM	MENTS		•		
		Ī	•										FILIN	G
EXAMINER	1											Sun	DATE	
INITIAL	1	٥٥ ا	CUM	ENT	NUN	1BER			DATE	NAME .	CLAS	SUB	APPF	
2.		5	8	4	9	4	8	0		Cros, et al	1 7	15	11111	
	-	4	8	9	.4	3	2	5		Engelhardt, et	- /	+-/-	┼	
<u> </u>		<u> </u>	Ļ.		L	Ļ		Ĺ			-			
	1	5	2	4	1	0	6	0	,	Engelhardt, et	al			
		5	2	8	8	6	0	9		Engelhardt, et	al (1	† —	
	1.	6	2	2	1	5	8	1		Engelhardt, et	al	+ \		
· .	 	4	3	7	5		7	-				1)		
		4	<u></u>	<u></u>	3	9	Ľ	2		Forgione, et a	<u>')</u>]. (
U		5	2	1	0	0	1	5		Gelfand, et al				
· (.	<u>'</u>	<u> </u>	<u>'</u>	'		FC	REI	SN P	ATENT DOC	UMENTS	. '	I	<u>'</u>	
	i		,										7041	
·												SUB	TRAN	
_		DO	CUM	ENT	NUN	1BER			DATE	NAME	CLASS	CLASS	YES	NC
	wo	9	9	2	8	5	О	0	11/27/98	Lee, et al			<u> </u>	
14						້	١		11/2//30	Lee, et al				l
A	EP	0	9	1	7	0	3	9	1/12/00	Rabbani, et	A1			
, 17		OTH	i IER D	JOCI J	 MEN	l ITS (l Inclu	 dina	Author Title	al e, Date, Pertine	 Pages	` \	ļ	l
N		Enzo	Bio	chem	, Ca	talog	Nos	. 427	22, 4723, 4	724, New Yor	1 0 107	995		•
70	╂╌╌┨									for sulfhydryl g	/ 1		0.0.40	
		(198	39)	o,	Oyai	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Jyc i	806111	ig reagents	ioi suimyaryi (groups, <u>C</u>	tometry i	<u>10</u> :3-10	1
		Fuhr	rop,	J.H.,	et al	., Ch	aptei	r 19 i	n "Porphyrir	s and Metallo	orphyrins,	ed. Smi	ith, K.N	1.,
								(197			Lilitat			
.		(dG2	2A4X	A4G	., 5 2-dC	2T4	s on YT40	nucie 2) ar	nd self-comm	actions. I. Sta lementary d(G	DILITIES OF N	nini-duplex TCCC) cor	(es ntaining	
	$oxed{oxed}$	deox	kyino	sine	and (<u>other</u>	misr	match	ned bases,"	Nucl. Acids. R	es. 14:772	7-7736 (1	986)	J
		Kuhl	lmanı	n, K.I	F., e1	al.,	"Syn	thesi	s, DNA-bind	ing and biologi	cal activity	of a doul	blė	
111		Laro	ck. "	Otas	nom	ercur	etnid ials i	n Oro	oromide," <u>Ni</u> Janic Synthe	ıcl. Acids. Res sis," <u>Tetrahed</u>	. <u>5:2629-2</u>	633 (197) 3-1754 /1	B)	
Y A PAINTED		7			7			·· • • • • • • • • • • • • • • • • • •			<u> </u>	J-1/54 (1	. 3021	
EXAMINER		1	1		1	1			DATE CON		7/11/0	5		
*EXAMINER	: initi	alifo	itatio	n co	nside	ered,	whe	ther	or not citatio	n is in conform	nance with	MPEP 60	9; Drav	N
mie intough	citatio		fot in cant.	CON	iorm	ance	and	not c	onsidered.	Include copy o	f this form	with next	t	

												Sheet	3 of	7	_		
Form PT	0-14	49 U).S. C	Depar	tmer	nt of	Com	merc	,	Atty. Docket No. Serial No. 10/764,389 ENZ-61 (D8)			9				
(REV. 8	-83)	Pate	nt an	d Tra	dem	ark (Office	;		EIVZ-OI	100)				•		
	NFOR	MATI	ON F	NECI	OSH	פב ר	1T A T	ION									
"			eral			_											
									•	Applicar	nts: llan, et al	-	<u>-</u> .				
											anuary 23, 2004	Grou	p: Not y	et knov	٧n		
	U.S. PATEN										NT DOCUMENTS .						
														FILIN			
EXAMIN	JER										•		SUB	DATE			
INITIAL			6	CUM 3	_		,		Ι	DATE	NAME	CLASS	CLASS	PRIA	TE		
4		_	Ĺ	Ľ.	3	.8	9	5	4		Gemen, B.			ļ.			
			5	6	4	6	2	6	4		Glazer, et al		1				
j	1		5	2	4	8	6	1	8		Haces, A.						
·			5	7	3	0	8	4	9		Hamby, et al	1/					
			4	7	0	7	4	5	4		Hendrix, JL	+(-	1				
			5	4	6	4	7	4	1		Hendrix, JL	+ -	+ \	 			
			5	9	9	4	0	5	6		Higuchi, RG	- 	+ +				
u	┪		5	0	4	7	5	1	9		Hobbs, et al		-				
, 00	1			Ι,			F) DRFII	GN P	 ATENT DOC		1 /					
		_	•						<u> </u>	1	T .	[····			
	ĺ													TRAN LATIO	_		
			DO	CUM	ENT	NUM	IBER			DATE	NAME .	CLASS	CLASS CLASS		NO 117		
	\dashv	EP	1	2	7	5	7	3	7	1/15/03	Rabbani, et	A1					
1											al	<u> </u>	.).				
. A	i	€P	1	3	4	4	8	3	5	11/17/03	Rabbani, et	A1	>				
·			OTI	ER [ocu	MEN	ITS (Inclu	ding	Author, Titl	e, Date, Pertinen	t Pages, E	tc.)	·	i		
4	.	1	Lee,	L.G. ct of	, et a dves	al., "i s and	AND TWb	sequ Ps o	ioneir n ince	ng with dye	labeled terminat f dye-terminator:	ors and T	7 DNA po	olymera:	se:		
- 9			term	<u>inati</u>	<u>on fr</u>	agme	ents,	" Nu	cl. Ac	ids Res. 20	:2471-2488 (19	92)					
										using deox ues 16:24-	yinosine to repla	ice an ent	ire codon	and at			
			Liu,	D., 6	t al.,	. "Sta	able	huma	n imi	munodeficie	ncy virus type 1						
.		ŀ									with multitargeting (1997)		antisense	sequen	ices .		
		\neg	Loal	kes, l	D., e	t al.,	"5-N				rsal base analog		Acids Re	<u></u>			
<u> </u>				1039 (es.				ation	ns of	universal Di	NA base analogu	es " Nual	Acido Pa				
1/4		_		2437					.5 01			es, <u>Nucl.</u>	ACIUS ME				
EXAMIN			1	_l	<u>√`</u>				_ [DATE CON		3/11					
*EXAMI	INER:	With	al if c	itatio	on co	nsid	ered,	whe	ther	or not citati	on is in conforma	ance with	MPEP 60	9; Drav	V		
commun	nicatio	n to	appli	cant.		101111	ance	anu	nut C	onsidered.	Include copy of	uns torm	with next	L			

					0	1					Sheet	4_ of	7	
Form PTO-14	49 U	.S. C)epai	tmer	nt of	Com	merc		Atty. Docket No. Serial No. 10/764,3 ENZ-61 (D8)			764,389	9	
(REV. 8-83)	Pater	nt an	d Tra	adem	ark (Office	2	EIVZ-0	1 (00)	-	•			
INFOR	BAATI	ON F	אפרו	OSH	DE C	ראדוי	TION!			ľ	•			
	se sev	-												
									Applica	nts: llan, et al				
										·				
									Filed: .	January 23, 200	4 Grou	ap: Not y	et knov	٧n
	· · ·	1					U.S.	PAT	ENT DOCU	MENTS				
. <i>.</i>]												FILIN	
EXAMINER	Ì										CLASS	SUB CLASS	APPR	
INITIAL	 	_DO	CUM 2	ENT 2	NUN T8	1BER	7	8	DATE	NAME Impraim, et al	CLASS	LLASS	PRIA.	TE
4	<u> </u>	L_						<u> </u>				 \	↓	
	ļ	5	5	5	4	5	1	6		Kacien, et al				
		5	9	4	8	6	4	8		Kahn, et al				
		5	9	4	5	2	8	3		Kwok, et al		17		
		5	9	4	5	5	2	6		Lee, et al	- -(-	1	†	
		5	1	1	8	8	0	1		Lizardi, et al	 	+	†	
		5	1	3	0	2	3	8		Malek, et al	- -/-	+/	+	
0,	-	4	6	8	3	2	6	12		Mullis, et al	+	+-(-	+	
'u		1.	١.	ı	1	i F(OREI	 GN P.	 ATENT DOO		/		I	
										1 .	T			
												24.5	TRANS	
		DO	CUM	ENT	NUN	IBER			DATE	NAME	CLASS	SUB CLASS	YES	NO
						<u> </u>			<u> </u>		<u> </u>			_
	·		-	\vdash				_	 			 	 	
		OTH	l IER () OOCL	 IMEN	ITS (Inclu	 dipa	Author Titl	e, Date, Pertiner	 Pages	Etc.)	i !	
·Q		Mau	Iding	, D.F	₹., et	al.,	"Che	milur	ninescence	from Reactions	of Electro	philic Oxa	mides v	vith
		Hyd	roge	Per	oxide	e and	Fluc	resc	ent Compou	inds," <u>J. Org. Ch</u> on and photothe	nem.33:25	50-254 (1	968)	
		<u>43:6</u>	<u> 81-6</u>	<u> </u>	1986	3)								
		Muji	umda	ır, R. ry 10	B., e	t al.,	"Cya	anine	dye labelin	g reagents conta	ining isot	hiocyanat	e group	s, "
									dye labelin	g reagents: sulfo	indocvani	ine succin	imidvl	
		este	rs,"	Bioco	njug	ate C	hem	istry	<u>4:105-111</u>	(1993)				
				et al. -493			ersal	nucl	eoside for u	se at ambiguous	sites in C	NA prime	rs," <u>Na</u> 1	ture
U			yama				ligh (effici	ency cloning	of full length c	DNA," Mo	J. Cell. Bio	<u>ol. 2</u> :16	1
EXAMINER	(/	Tu	1 6						DATE CON		2111	101		
*EXAMINER	Initi	il f	itati	on co	nsid	ered,	whe	ther	or not citati	on is in conform	ance with	MPEP 60	9; Drav	v
communicati	on to	gu ir r appli	iot ir cant.	, con	iorm	ance	and	not d	onsidered.	include copy of	this form	with next	t	

·					0						Sheet	_5_ of	7			
Form PTO-14	49 l	J.S. (Depa	rtmer	nt of	Com	merc		Atty. Docket No. Serial No. 10/764,389 ENZ-61 (D8)							
(REV. 8-83)	Pate	nt an	d Tra	adem	ark (Office	•	EN2-0	1 (00)							
INFOR	MATI	ION F	NECI		וםב ר	'ITA1	CION			ļ		•				
l .	ivia i i se sev							1		}						
								Applica	nts: llan, et al							
<i>b</i>								Filed: .	January 23, 200	4 Grou	p: Not y	et knov	νn			
L							u.s.	ΡΔΤ	ENT DOCU	T DOCUMENTS						
				 -		_	<u> </u>		1		7	T	FILIN	G		
EXAMINER												SUB	DATE			
INITIAL		DO	CUN	IENT	NUN	1BER			DATE	NAME	CLASS		APPF PRIA			
a.		5	8	6	6	3	3	6		Nazarenko, et a	al /	1.)		-		
		6	1	1	4	3	5	0		Randall, et al	1/	+ /	 			
		6	1	1	0	6	3	0		Reddy, et al		+ (: 			
		6	0	0	1	5	1	3		Roalent, C.	-)-	+ >	-			
		5	7	0	7	5	5	9		Schaap, et al	+/-	1/	 			
7		<u> </u>	Ľ.	Ľ.	<u> </u>	Ļ	Ľ	Ľ			1	1._				
· 'U		6	3	2	3	3	3	7	ļ .	Singer, et al	1 (17				
FOREIGN PATENT DOCUMENTS																
													TRAN	S-		
		ח	CI JEV	ENT	NH IN/	1050			DATE	NAME		SUB	LATIO	_		
					14014				DATE	NAIVIE	CLASS	CLASS	YES	NO		
:				-								1				
				*				_								
	•	OTH	 IER [l Doci	JMEN	i Its (l Inclu) dina	 Author, Titl	 e, Date, Pertinen	t Pages F	to)				
· Q		Riek	e, R.	D., "	The	prepa	aratio	n of	highly react	tive metals and t	he develop	oment of	novel			
7		orga Robi	nom	etalli M.J.,	creac et al	ents "N	,″ Al luclei	drich c Aci	mica Acta d Related C	<u>33</u> :52-60 (2000) Compounds. 39. (Efficient C	onversion	of E.I.			
		to 5	-Alky	/nyi a	and C	erive	d 5-	Subs	tituted Urac	il Bases and Nuc	leosides,"	J. Org. C	hem.			
				-186 et al			al a	nd Fn	zymatic Tri	ggering of 1,2-D	ovetono	1. A med F	*****			
		Cata	alyze	d Chi	emilu	mine	scen	ce fr	om a Napht	hyl Acetate-Subs	stituted 1,	2-Dioxeta	sterase: ine,"			
		Tetr	ahed	ron L	ette	s 28	:935	-938	(1987)							
	•	Phos	sphat	tase-	Catal	yzed	Che	milun	ninescence	tic Triggering of from an Aryl Pho	ı,∠-Dioxet sphate-S∟	tanes. 3: Ibstituted	Alkaline	•		
		Diox	etan	e," <u>T</u>	etral	nedro	n Le	tters	28:1159-1°	163 (1987)				,		
		coli	geno	me a	rray,	<u>" Na</u>	ture	<u>Biote</u>	<u>ch. 18</u> :126	ysis using a 30 t 2-1268 (2000)						
n.		Shib (198	ahar	a, S.	, et a	1., "S	Site-c	lirect	ed cleavage	of RNA," Nucl.	Acids Res	<u>. 15</u> :440:	3-4415			
EXAMINER		1130						I	DATE CON	ISIDERED	7 4	1.1.7				
*EXAMINER:	lditi	af if o	itatio	on co	nsid	ered	whe	ther		on is in conform	ance with	MPED SO	9. 0			
line through o	itatio	n if r	not in	CON	form	ance	and	not c	onsidered.	Include copy of	this form	with next	e, piav	•		
communication	n to	appli	cant.	•	•					•						

					O							_6_ of			
Form PTO-144	19 U.S	. De	par	tmen	it of	Com	merc	В		Atty. Docket No. Serial No. 10/764,389 ENZ-61 (D8)					
(REV. 8-83)	Patent	and	Tra	idem	ark C	Office	ż			1 (00)					
INFORT	MATION	N DI:	SCL	osu	IRE (ΉΤΑΤ	LION							!	
1	e sever														
									Applica	ints: llan, et al	•				
	•								Eiladi	Filed: January 23, 2004 Group: Not yet known					
									· Fileu. J	January 23, 2004	l Grou	p: Not y	'et Knov	wn	
·			_				U.S.	PAT	ENT DOCUL	MENTS	 _				
								!	'				FILI	ING TE IF	
EXAMINER	1,		16.4		*** 18		A.				CLAS	SUB S CLASS	SUB APPR		
INITIAL			8 8	ENT 6	8	MBER 1	0	3	DATE	NAME Stavrianopolous		1 7	PRIA	ATE	
4					- 0				!	et al		1/		•	
	. "	4 1	9	5	2	6	8	5	1	Stavrianopolous, et al	$\cdot \setminus$] .		
	7	4	9	9	4	3	7	3		Stavrianopolous	,. 1 /	++	+-		
		5	0	1	3	8	3	1	 '	et al Stavrianopolous	+		-		
					Ĺ	<u> </u>				et al	<u> </u>				
		5	5	7	8	8	3	2		Trulson, et al	1 (
	į	5	1	3	2	2	0	4		Urdea, et al		17	1		
	į	5	8	9	1	6	3	6		Van Gelder, et a	<u> </u>	1	+		
U	į	5	2	6	8	4	8	6		Waggoner, et al	, 	17			
,	·	-		<u> </u>	<u></u>	<u> </u>	DREK	SN P/	ATENT DOC	UMENTS	<u> </u>		<u> </u>		
											1	.	TRAN	15-	
	1,	200	1 INA	SNIT	NII IN	40CQ			DATE	NAME	i	SUB	LATIO	NC	
	- 1)UU.	Ulvir	= 181	NUM	BEN		-	DATE	NAME	CLASS	CLASS	YES	NO	
			\neg												
, , , , , , , , , , , , , , , , , , ,		THE	RD.	<u> ၁ဝငပ</u> ဲ	JMEN	ITS (Inclu	ding	Author, Titl	l le, Date, Pertinent	t Pages,	Etc.)	; [<u> </u>	
a l									dye labelin <u>11</u> :418-430	ng reagents – carl 0 (1990)	boxymeth	nylindocya	anine		
	Ta	alaat	it, A	ι.Μ.,	et al	l., "G	enom	ne-dir	rected prime	ers for selective la	beling of	bacterial	transc	ripts	
	10 T	or Dr	NA r	micro	eno	y ana	ilysis	ressi	ture Biotec	ch. 18:679-682 (2) of Escherichia co	.000)	- on Min	ne lee		
	Ri	lich N	Med	lia," <u>,</u>	J. Ba	act. 1	181:6	6425-	-6490 (1999	9)					
	W	/ierin	nga, hed	, J.H. ron_L	., et etter	al., " rs 2:'	Adar	nanty 172 (ylideneadam (1972)	nantane Peroxide.	A Stable	1,2 Diox	etane,"	,	
U	Zł	hu, Z	Ζ., ε	et al.,	., "Di	irectly	y labe	eled (DNA probes	s using fluorescent	t nucleot	ides with	differe	nt	
EXAMINER	7	ე ე	1 firm	Kers,	<u></u>	ici. A	CIOS.	Hes.	. 22:3418-3 DATE CON	3422 (1994) NSIDERED	211	1/0/			
*EXAMINER:	Initial	if cit	tatic	on co	nsid	ered,	whe		or not citati	ion is in conforma	ance with	MPEP 60	19 · Dra		
line through c	itation	if no	ot in	con	form	ance	and	not c	onsidered.	Include copy of t	this form	with next	t	~	

communication to applicant.

communication to applicant.